

Fig. 1



# Profile directory

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Profile #	destination	address field	encryption field	Password
1	Bob	bob@aol.com	Public key Bob	ABCD
2	Alice	158.56.11.2	sym key Alice	1234
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
n	George	g@aol.com		

Fig. 2



—BEGIN PGP PUBLIC KEY BLOCK—

Version: PGP for Personal Privacy 5.0

mQGIBDchYBURBADA/mpuB0+k82TRm2MR0wnuNLBcVoUEWwOx/8wu0GZNWeFwhBkf  
BbaTR0UpI/LVm/+VZnW59UCQlKfrfu3781A+y0H/wqJPH+j1ptArbn2fV4xGx8xD  
YqAhjPQa/EIGtmn/yMvr3N63WQu+rAYgmNvoG97yw/P4Zer1S+7O4u8hJQCg/3hw  
6FJaovC5LM1f4s6hDmUrlyMEALjqWqBG8BMUN+E/pTn8HAvnj0Eq/RKTFux0Eeik  
IVVXVGJJsN5wG5E2ptaVjh6AGjfq+WSAHqip5IkyhPIkXGRnw/exh56LW9QyHXWW  
TYJDoP9aoa+93B3beLKDWNCLxq/6JECy8MGZjNTTQ+yJZrubaLatFnQO5+JDd0QQ  
f9FVBACWX+mDKpuJm3FpMrgS44iSTIJmLGu14hHJcB0XQdGUudzLZzyMjWloy  
m7E1zgVsnAKXo3PyjNTQf42+C8IPK4Uai1h60skfObhxFi+s9/fu2Go22k4+qa  
tMq2rH0cT4kp5v+enHpg0Ziet47GIYJLm1bG1ydpL68JfNJO+rQcR3V5IEVKZW4g  
PGd1eWVKZW5AZW1haWwuY29tPokASwQQEQIACwUCNyFgFQQLAwECAAoJEMviP8wX  
X/J/aQkAoL9DUD/0UnS7ukm45J8+wcSruHKXAKCvqiRWt1oSc92gBcZF4Tn6cMGb  
sLkCDQQ3IWAWEAgA9kXJXtwh/CBdyorrWqULzBej5UxE5T7bxbriLOCDAadWoxTp  
j0BV89AHxstDqZSi90xhkn4DIO9ZekX1KHTUPj1WV/cdlJPPT2N286Z4VeSWc39  
uK50T8X8dryDxUowYc58yWb/Ffm7ZFexwGq01uejaCicjrUGvC/RgBYK+X0IP1Y  
TknbsSC0neSRBzZrM2w4DUUD3yIsxx8WY2O9vPJi8BD8KVbGi2Ou1WMuF040zT9  
fBdXQ6MdGGzeMyEstSr/POGxKUAYEY18hKcKctaGxAMZyAcpesqVDNmWn6vQCICb  
AkbTCD1mpF1Bn5x8vYILhkmquixsNV6TILowACAggAxbelBILNESeLuRCrS7py  
gnQMZGxVfYmaQQTPWT88EUUVUIM8mPPleNyqtp+ubaAs4ajaRMIUE6yT6gF6AY+i  
hNTw/5+vwPVXdyxO9Cy6GfahGvYxBc9jw6XAOeMnaE65N+/URKluq1i9a9wtdA  
KOJASe47LCG9CzW69Ts/zlRT9+TgcRn1H73S9N5IV7mSsbT/Qav/RLc9dSzJo0Z/  
6Ya1eSHVjeRo147LPJ4T5DCdtEKXuMhDsgBf4cFWiim5tqPoTPBajOCQME0sMTq  
uboSHDUgT8f/h1P56ZwFO716WrmEpOn5zpMMAMMDg5CPValBfcU8amsNVnnXRWKI  
c4KAPwMFGDchYBXL4j/MF1/yfxEC05YAnA39sM+BMj5SIAnhyxDnx4By3HgVAKDB  
z5NSx9hR0iNIYSliPHFTUFOojg==

=mBAJ

—END PGP PUBLIC KEY BLOCK—

Fig. 3



## Setup:

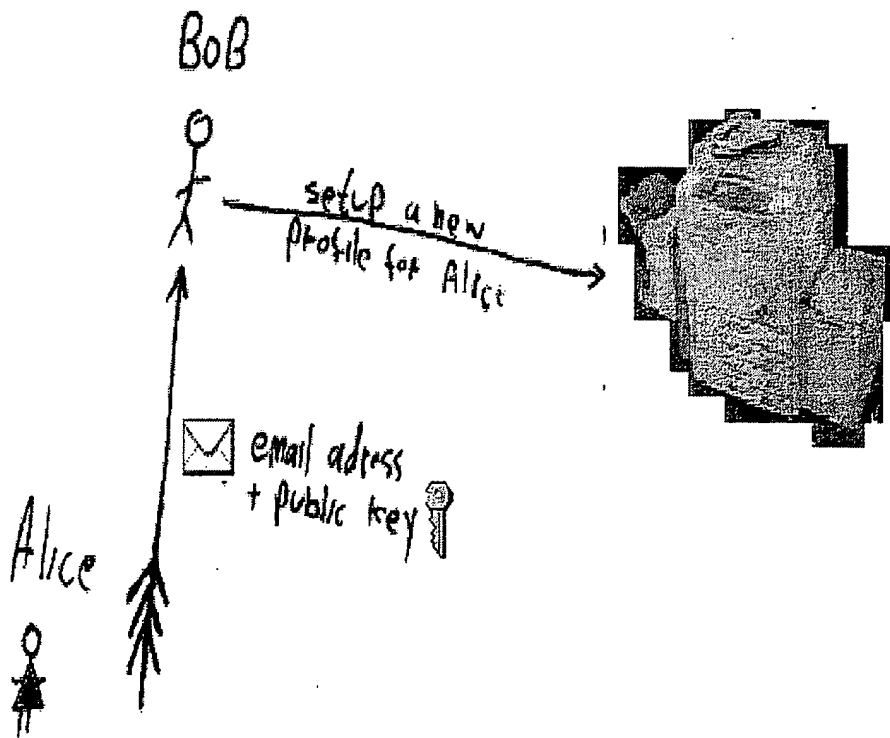


Fig. 4a



Bob sends an encrypted Message to Alice

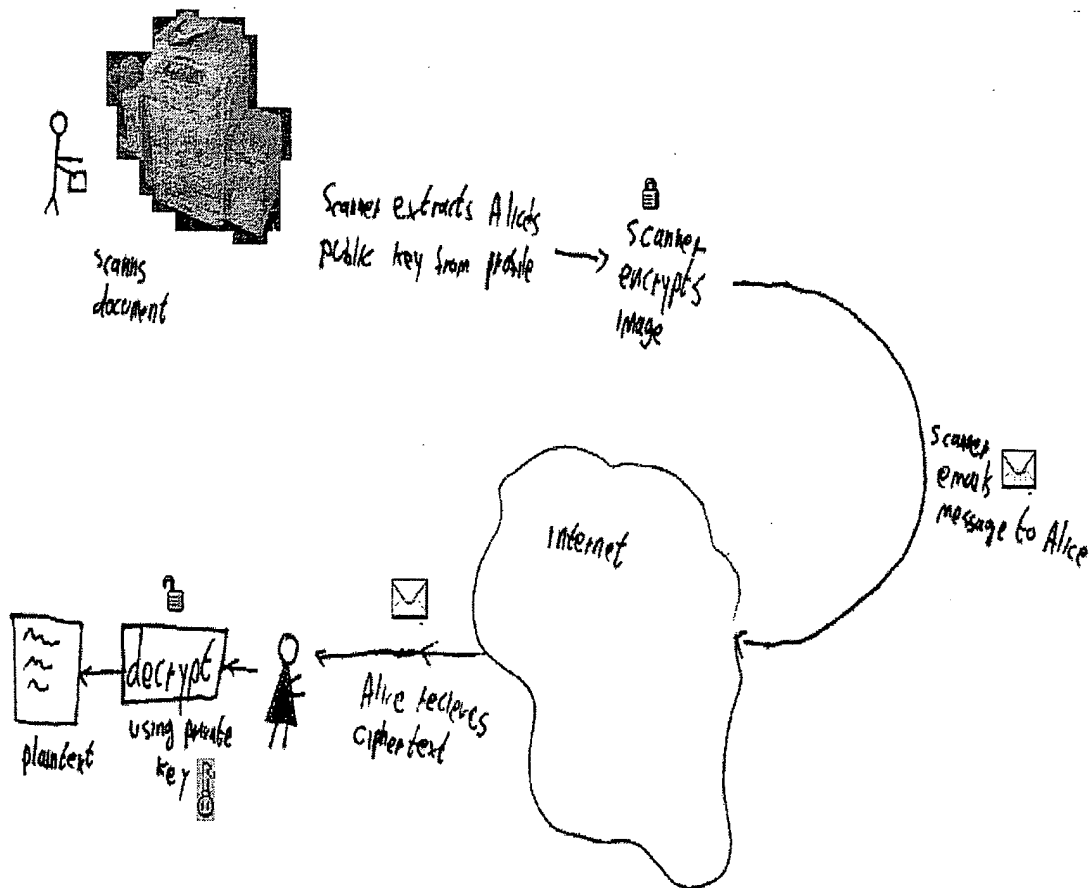


Fig. 4b

Fig. 5

